LIBRARY

# WELLINGBOROUGH RURAL DISTRICT

# ANNUAL REPORT

of the

# Medical Officer of Health

for the

# Year 1947.

J. T. W. REID, M.B., Ch.B., D.P.H.

FROSTWICK PRESS, MARKET STREET.

# WELLINGBOROUGH RURAL DISTRICT

---

# ANNUAL REPORT

of the

## Medical Officer of Health

for the

## Year 1947.

---

J. T. W. REID, M.B., Ch.B., D.P.H.

## CONTENTS.


| | Page |
|---|---|
| Ambulance facilities | 7 |
| Area | 6 |
| Bed Bugs | 8 |
| Births | 6 |
| Cancer | 3, 14 |
| Census | 3 |
| Cleansing, public | 8 |
| Clinics and treatment centres | 7 |
| Committee, Health and Sanitary | 4 |
| Deaths | 6 |
| Diarrhoea | 3 |
| Diphtheria Antitoxin | 6 |
| Diphtheria Immunisation | 11 |
| Disinfection | 8 |
| Drainage and sewage | 8 |
| Dysentery | 11 |
| Erysipelas | 11 |
| Factory Act | 12 |
| Food and Drugs Act | 9 |
| Food—Inspection and Supervision of Food Premises | 9 |
| Health Services, General provisions of | 6 |
| Hospitals | 7 |
| Housing | 9 |
| Infant Mortality | 6 |
| Infectious diseases | 10 |
| Infiuenza | 11 |
| Laboratory facilities | 6 |
| Maternal Mortality | 6 |
| Maternity and Child Welfare | 7 |
| Measles | 11 |
| Meat Inspection | 10 |
| Midwives | 7 |
| Milk Examination | 9, 10 |
| Milk and Dairies Orders | 9 |
| Natural and Social Conditions | 6 |
| Neonatal Mortality | 6 |
| Nursing in the Home | 7 |
| Pneumonia | 11 |
| Poliomyelitis | 11 |
| Populations | 3, 6 |
| Public Health Act, and S.172 | 12 |
| Public Health Officers | 4 |
| Puerperal Pyrexia | 11 |
| Rats and Mice (Destruction) Act, 1919 | 8 |
| Sanitary Circumstances | 7 |
| Scarlet Fever | 10 |
| Smallpox | 10 |
| Statistical Tables | 13 to 19 |
| Swimming Baths | 8 |
| Tuberculosis | 12 |
| Typhoid Fever | 11 |
| Water Supply | 8 |
| Whooping Cough | 11 |

# Wellingborough Rural District.

## Summary of Vital Statistics, 1947.

| | |
|---|---|
| Area (acres) ... ... ... ... ... ... ... ... | 33,115 |
| Population 1931 (Census) ... ... ... ... ... ... | 12,760 |
| Population 1947 ... ... ... ... ... ... ... | 12,720 |
| Number of separate dwellings occupied 1931 (census) ... | 3,558 |
| ,, ,, ,, ,, 1947 ... ... ... | 4,074 |
| Rateable value 1947 ... ... ... ... ... | £61,182 |
| Product of a penny rate, 1947 ... ... ... ... ... | £238 |

| **Live Births** | *Total* | *Male* | *Female* | *Rate* |
|---|---|---|---|---|
| Legitimate ... ... ... | 209 | 106 | 103 | |
| Illegitimate ... ... ... | 13 | 8 | 5 | |
| | 222 | 114 | 108 | 17.45 |

| **Stillbirths** | *Total* | *Male* | *Female* | *Rate* |
|---|---|---|---|---|
| Legitimate ... ... ... | 5 | 2 | 3 | |
| Illegitimate ... ... ... | — | — | — | |
| | 5 | 2 | 3 | .39 |

| | *Total* | *Male* | *Female* | *Rate* |
|---|---|---|---|---|
| **Deaths** (all causes) ... ... ... | 189 | 102 | 87 | 14.85 |

| **Deaths from Puerperal Causes.** | | *Rate* |
|---|---|---|
| Puerperal and post-abortive sepsis ... ... ... | 1 | |
| Other puerperal causes ... ... ... ... | — | |
| Total ... ... ... ... ... ... ... | 1 | 4.40 |

**Infant Mortality**—rate per thousand live births.

| | *Total* | *Male* | *Female* | *Rate* |
|---|---|---|---|---|
| Legitimate ... ... ... | 7 | 5 | 2 | 33.49 |
| Illegitimate ... ... ... | — | — | — | nil |
| Total ... ... ... ... | 7 | 5 | 2 | 31.49 |

| | |
|---|---|
| **Deaths from** Cancer (All ages) ... ... ... ... ... | 25 |
| ,, ,, Measles (All ages) ... ... ... ... | nil |
| ,, ,, Whooping Cough (All ages) ... ... ... | nil |
| ,, ,, Diarrhoea (under 2 years) ... ... ... | nil |

# Wellingborough Rural District Council.

---

*Members of the Health and Sanitary Committee :*

MESSRS. A. J. DANDO (*Chairman*), REV. F. A. SADLER, J.P. (*Chairman of the Council*), MESSRS. F. HEWLETT, E. BARKER, J.P., C.C., H. BARRETT, G. KNIGHT, H. P. MARHAM, C.C., T. REYNOLDS, G. T. THOMPSON, A. J. WARD AND MRS. M. DALLAS, C.C.

*Public Health Officers of the Local Authority :*

MEDICAL OFFICER OF HEALTH :

JOSEPH THOMAS WILLIAM REID, M.B., Ch.B., D.P.H.

*also holds appointments of :*

Medical Officer of Health, Borough of Higham Ferrers.
Medical Officer of Health, Wellingborough Urban District.
Medical Officer of Health, Rushden Urban District.
Medical Officer of Health, Irthlingborough Urban District.
Assistant School Medical Officer.

*Sanitary Inspector, Meat Inspector, etc. :*

GEOFFREY HERBERT COWLES, Certified S.I.B.

PUBLIC HEALTH DEPARTMENT,
SWANSPOOL,
WELLINGBOROUGH.

*August*, 1948.

**To the Chairman and Councillors of the Rural District Council of Wellingborough.**

MR. CHAIRMAN, LADIES AND GENTLEMEN,

I herewith present my second and last Annual Report on the Health and Sanitary Circumstances of the district for the year 1947.

The vital statistics are generally satisfactory. The birth rate is in excess of the death rate by 2.60 per thousand. The infant mortality rate is 31.49.

The incidence of zymotic disease gave no cause for anxiety.

The Sanitary Circumstances have not altered during the past year. Progress with the schemes for water and sewerage throughout the district has been good.

My tenure of office with the Council has been a pleasant one and I am grateful to the members of the Council for the support which I received from them at all times. I acknowledge also the assistance and advice which it has been my good fortune to enjoy from the Executive Officers during the past two years.

Your obedient servant,

J. T. W. REID,
*Medical Officer of Health.*

# SECTION A.

## NATURAL AND SOCIAL CONDITIONS.

**Area.**—The area of the district is 33,155 acres. The density of the authority is 2.6 acres per person and the housing factor is 3.1 persons per house.

**Population.**—The Registrar-General has estimated the resident population for the mid-year 1947 to have been 12,720 persons. The natural increase in population, the excess of births over deaths, amounts to 33 in 1947.

**Deaths.**—The total number of deaths assigned to the district after the adjustment of outward and inward transferable deaths by the Registrar-General was 189 which is 37 more than last year. The recorded death rate based on the estimated population was 14.85 per thousand. The rate for England and Wales is 12.00 and that for the County is 12.43. The list of the causes of death classified according to the International List of Causes of Death (1938) is given in Table No. 1 page 13, and Deaths from selected causes is given in Table No. 2, page 14.

**Births.**—The number of live births was 222, thus giving a rate of 17.45 per thousand of the population. The rate for the County is 20.42 and that for England and Wales is 20.5.

**Stillbirths.**—The number of stillbirths registered was 5 (2 boys and 3 girls). This number is equivalent to .39 per thousand of the population as compared with .50 for England and Wales.

**Illegitimate Birth Rate.**—13 illegitimate live births were registered. This number gives a rate of 58.55 per thousand live births as against 105.02 for 1946.

**Maternal Mortality.**—One death was ascribed to puerperal causes.

**Infant Mortality.**—The number of infants who died before attaining their first birthday was 7 (5 males and 2 females). The equivalent rate per 1,000 live births was 31.49 which is lower than 35.07, the rate for the County, and 41, which is the rate for England and Wales. Last year in the Rural District there were 15 deaths giving a rate of 68.49.

**Neonatal Mortality.**—This sub-division of the infant mortality rate includes all infants who die within 28 days of independent existence. There were 5 deaths in this group. The rate per 1,000 live births was 22.52. Last year there were 10 neonatal deaths with a mortality rate of 45.6. The causes of death of children under one year is given in Table No. 11, page 19.

# SECTION B.

## GENERAL PROVISION OF HEALTH SERVICES.

**Laboratory Facilities.**—The laboratory work associated with the diagnosis and control of infectious diseases is carried out at the Emergency Public Health Laboratory at Northampton General Hospital.

**Diphtheria Antitoxin.**—A supply of antitoxin is kept at the Public Health Department, Swanspool, and also at the Fever Hospital, Wellingborough. It is available, free of charge, to medical practitioners for use in the district.

**Ambulance Facilities.**—This is provided by S. John's Ambulance Brigade. There are two divisions, one in Wellingborough with 3 ambulances and one in Finedon with one ambulance. They serve both the Rural and Urban Districts of Wellingborough. The Ambulances made 598 journeys during the year and the approximate mileage covered was 13,457. Infectious Diseases are removed by the Ambulance of the Joint Isolation Hospital, Wellingborough.

**Nursing in the Home.**—The following list gives details of the work which has been carried out by the Midwives and General Nurses in the District.

| *Association* | *Cases Nursed* *General* | *Midwifery* | *Maternity* | *Total Visits* |
|---|---|---|---|---|
| Irchester ... ... ... | 48 | 10 | 28 | 1,810 |
| Wollaston ... ... | 114 | 3 | 10 | 5,997 |
| Earls Barton and Ecton ... | 86 | 8 | 20 | 2,069 |
| Wilby, Gt. Doddington, Mears Ashby, Sywell and Hardwick ... ... ... | 120 | 7 | 10 | 2,808 |
| Orlingbury, Gt. and Little Harrowden, Isham ... | 313 | 98 | 114 | 495 |
| Newton Bromswold ... | — | — | 2 | 36 |
| Bozeat, Grendon, Easton Maudit ... ... ... | 58 | 18 | 6 | 2,376 |
| TOTAL ... ... | 739 | 144 | 190 | 15,591 |

**Hospitals.**—There are no hospitals in the district.

**Treatment Centres and Clinics.**—Child Welfare Clinics provided by the County Council are held twice a month at the following villages, Earls Barton, Irchester and Wollaston. Diphtheria immunisation is carried out at these clinics on the day on which the doctor is in attendance. Antenatal and Postnatal Clinics are held weekly in the County Buildings on Monday and Wednesday mornings, at Rushden on Tuesday morning and in Wellingborough on the Thursday morning.

**Hospital Accommodation for Infectious Diseases.**—The Local Authority is one of the constituent Authorities of the East Northants. Joint Hospital Board. There were 3 patients (1 Scarlet Fever and 2 observation cases) admitted from the Rural District during 1947. The precept levied by the Joint Hospital Board was £365.18.0d. for 1946-47.

# SECTION C.

## SANITARY CIRCUMSTANCES OF THE AREA.

The Council has shown by the numerous schemes for water and sewage disposal prepared since the end of the war that they are fully conscious of the needs of the area. The implementation of some of the schemes, which have received the approval of the Minister have been delayed owing to the difficulty in the supply of materials and labour. The standard of life in rural areas is related to these two major necessities of modern civilisation and the completion of the schemes cannot come too quickly for those who have the well being and prosperity of the rural district at heart.

**Water Supply.**—The following schemes have been submitted to the Ministry of Health during 1947 :

| *Scheme* | *Population* | *Houses* | *Estimated Cost* |
|---|---|---|---|
| Newton Bromswold ... ... | 85 | 22 | £2,400 |
| Bozeat ... ... ... ... | 1,150 | 357 | £10,400 |
| Isham ... ... ... ... | 370 | 131 | £1,600 |

A Public Local Enquiry was held by the Inspector appointed by the Minister of Health on 3rd October, 1947, in respect of the Bozeat Water Supply. The Inspector visited Newton Bromswold.

The Minister gave approval in principle for work to commence on the above schemes.

Samples of water from 13 Parishes were submitted to the Public Health Laboratory at Northampton for bacteriological examination. A scrutiny of the results of these examinations which are detailed in Table No. 15, page 22 reveals that of the 63 samples no less than 34 showed evidence of faecal pollution. The need for the urgent completion of all the Council's Water Schemes whereby the water will be bacteriologically controlled is self evident.

**Sewage Disposal, Drainage and Sewerage.**—The various sewage farms are satisfactorily maintained though being so scattered through the District it is difficult to give them the constant supervision which they require. The following schemes were submitted to the Ministry of Health during the year :

| *Scheme* | *Population* | *Houses* | *Estimated Cost* |
|---|---|---|---|
| Grendon Sewerage Disposal ... | 410 | 119 | £12,850 |
| Bozeat Sewerage Disposal ... | 1,150 | 357 | £11,600 |

A Public Local Enquiry was held by the Ministry of Health on the 9th December in respect of the Bozeat Scheme.

**Swimming Baths.**—There are two open-air pools in the district, one at Wilby and the other at Overstone. In both cases the water is subjected to continuous filtration and chlorination.

**Disinfection.**—Concurrent and terminal disinfection is carried out by means of gaseous and liquid disinfectants in the homes where infectious disease is notified. Details of the work carried out is given in Table No. 13, page 21.

**Eradication of Bed Bugs.**—No action was found necessary.

**Rats and Mice (Destruction) Act, 1919, Infestation Order, 1943**—Advice and assistance have been given by the Sanitary Inspector in appropriate cases.

**Public Cleansing.**—The scheme for the collection of refuse is as follows :

| *Weekly* | *Parish* | *Day* | *Tip* |
|---|---|---|---|
| | Bozeat | Thursday | Bozeat |
| | Earls Barton | Thursday and Friday | Earls Barton |
| | Ecton | Thursday | Earls Barton |
| | Grendon | Friday | Grendon |
| | Lt. Harrowden | Wednesday | Lt. Harrowden |
| | Irchester | Monday and Wednesday | Irchester |
| | Isham | Thursday | Finedon |
| | Wilby | Thursday | Earls Barton |
| | Wollaston | Tuesday | Wollaston |
| *Fortnightly.* | | | |
| | Gt. Doddington | Saturday | Gt. Doddington |

Refuses from the Parishes of Easton Maudit, Hardwick Great Harrowden, Strixton and Sywell are collected at less frequent intervals by Contractors to the Council. The weekly and fortnightly collections are carried out by the Council's motor vehicle.

Further details of the work carried out by the Sanitary Inspector is given in Table No. 13, page 21.

## SECTION D.

### HOUSING.

On the 31st December, 1947 there were 664 " live " applicants for Council houses. At the beginning of the year 76 traditional houses and 20 Swedish timber houses were under construction and during the year under review work was commenced on 32 permanent houses. In short 128 houses were under construction and 60 were completed.

Under Private Enterprise 19 houses were completed, work on some of which had been commenced the previous year. 10 licences were granted to Private Enterprise during 1947.

Approval was given to convert four buildings into four dwelling houses.

The survey of housing conditions as recommended in the Hobhouse Report was not carried out during 1947. The construction of new houses was felt to be more important in 1947 but it is hoped to survey the remaining 889 houses during 1948. 3,089 houses have been surveyed and 619 are considered unfit for habitation and beyond repair at reasonable expense.

The new houses which are being erected in the villages are well designed and equipped. They stand out in relief to the slum dwellings of which there are not a few, and bring vividly to the notice of the observer the work awaiting the Council in the sphere of slum clearance.

## SECTION E.

### INSPECTION AND SUPERVISION OF FOOD.

**Milk and Dairies Order 1926.**—The number of cowsheds on the register as at 31st December, 1946 was 86 and the following inspections were carried out by the Sanitary Inspector

| | |
|---|---|
| Cowsheds Inspections made ... ... ... ... ... | 184 |
| Cowsheds Defects found and remedied ... ... ... | 29 |
| Cowsheds reconditioned ... ... ... ... ... ... | 2 |
| Samples of Milk taken ... ... ... ... ... ... | 96 |
| | 311 |

There are two producers of Tuberculin Tested Milk and 18 producers of Accredited Milk in the District.

**Milk Supply.**—Samples of Milk taken during the course of delivery to the consumers have been submitted at regular intervals to the County Laboratory for examination as to cleanliness and keeping quality. The samples were submitted to the Methylene Blue Test to determine if the milk will be sufficiently fresh to be drinkable for some 24 hours after delivery to the consumers. The number of samples submitted and the classification of the results were :

| *Classification* | 1946 *No.* | 1947 *No.* |
|---|---|---|
| Good ... ... ... | 117 | 84 |
| Moderate ... ... ... | 1 | 9 |
| Bad ... ... ... ... | 2 | 3 |
| | 120 | 96 |

Further details of the results of the tests are given in Table No. 14 page 22.

**Food Premises.**—The following visits of Inspections were made by the Sanitary Inspector :—

| | |
|---|---|
| Visits to Slaughterhouses ... ... | 47 |
| Visits to Butchers' Shops ... ... | 32 |
| Visits to Bakehouses ... ... ... | 34 |
| | 113 |

During the year 182 lbs. of tinned and other foods have been condemned as unfit for human consumption.

**Meat Inspection.**—All the meat for the majority of the district is slaughtered and inspected at the Co-operative Abattoir, Rushden, which was taken over by the Ministry of Food in January, 1940. The meat sold in Isham and Ecton is slaughtered at Kettering and Northampton respectively.

## SECTION F.

### PREVALENCE OF, AND CONTROL OVER, INFECTIOUS AND OTHER DISEASES.

**Smallpox.**—No cases were notified.

**Scarlet Fever.**—There were 2 notifications received and one patient was admitted to hospital.

**Diphtheria Immunisation.**—This is carried out at the Welfare Clinics. The following table gives progress of immunisation amongst the child population as at 31st December, 1947 :

**Immunisation in Relation to Child Population.**

Number of children who had completed a full course of Immunisation at any time up to 31st December, 1947.

| Age at 31.12.47 *i.e.* Born in Year ... | *Under* 1 | 1 | 2 | 3 | 4 | 5 *to* 9 | 10 *to* 14 | *Total* |
|---|---|---|---|---|---|---|---|---|
| | 1947 | 1946 | 1945 | 1944 | 1943 | 1938-1942 | 1933-1937 | *under* 15 |
| Number Immunised | 6 | 106 | 130 | 120 | 136 | 710 | 810 | 2,018 |
| Estimated mid-year population 1947 | 1,206 | | | | | 1,596 | | |

The above statistics take no account of children immunised by private arrangement.

**Diphtheria.**—No cases were notified.

**Puerperal Pyrexia.**—One case was notified under the Puerperal Pyrexia Regulations, 1939.

**Poliomyelitis.**—Two cases were notified.

**Influenza.**—No notifications were received, but there were 6 deaths from influenza " transferred in " to the District by the Registrar-General.

**Pneumonia.**—The forms of " pneumonia " which are notifiable are Acute Primary and Influenzal Pneumonia. The number of cases notified was 7. The number of deaths assigned to Pneumonia (all forms) as the primary cause of death was 10.

**Erysipelas.**—One case was notified.

**Measles.**—There were 91 cases notified from April to December. A detailed analysis of the age and sex incidence is given in Table No. 10, page 18, together with similar details for Whooping Cough.

**Whooping Cough.**—19 cases were notified. 16 cases occurred during the first 3 months of the year.

**Dysentery.**—No cases were notified.

**Ophthalmia Neonatorum.**—No notifications received during the year.

**Typhoid Fever.**—There were no cases.

**Tuberculosis.**—During the year 5 cases of Tuberculosis were notified, 3 males and 2 females. All had Pulmonary manifestations. Five people (3 males, 2 females) died from Tuberculosis during the year. The age and sex incidence of new cases and deaths from the disease are given in Table No. 6, page 15.

The mortality rate was .39 per thousand of the population as compared with .36 for the county.

No action was taken under the Public Health (Prevention of Tuberculosis) Regulations 1925 (relating to persons suffering from Tuberculosis employed in the Milk trade), or under Section 172 of the Public Health Act, 1936 (relating to the compulsory removal to hospital of persons suffering from tuberculosis), during 1947.

Four people from the District were admitted to Rushden House Sanatorium and 8 were discharged during the year.

Full statistical details showing age, montly and parish incidence, etc., for infectious diseases and tuberculosis are shown in Tables Nos. 6 to 10, pages 15 to 18.

## SECTION G.

### FACTORIES ACT, 1937.

In the case of all factories provisions as to sanitary conveniences are on the whole satisfactory. In those factories where mechanical power is not used provisions as to—cleanliness, number employed, temperature, ventilation and drainage of floors—there was no cause for serious complaint. There was no action necessary in respect of Homework (sections 110 and 111). Form 572 (Revised) has been abridged and is given as Table No. 16, page 23.

# SECTION H.

## STATISTICAL TABLES, 1947.

TABLE No. 1.

### CAUSES OF DEATH.

| | *Causes of Death* | *Male* | *Female* | *Total* |
|---|---|---|---|---|
| 1. | Typhoid and para-typhoid Fevers ... ... | — | — | — |
| 2. | Cerebro-spinal Fever ... ... ... ... | — | — | — |
| 3. | Scarlet Fever ... ... ... ... ... | — | — | — |
| 4. | Whooping Cough ... ... ... ... | — | — | — |
| 5. | Diphtheria ... ... ... ... ... | — | — | — |
| 6. | Tuberculosis of respiratory system ... ... | 1 | 2 | 3 |
| 7. | Other forms of tuberculosis ... ... ... | 1 | 1 | 2 |
| 8. | Syphilitic diseases ... ... ... ... | 1 | — | 1 |
| 9. | Influenza ... ... ... ... ... ... | 3 | 3 | 6 |
| 10. | Measles ... ... ... ... ... ... | — | — | — |
| 11. | Acute polio-myelitis ... ... ... ... | — | — | — |
| 12. | Acute infective encephalitis ... ... ... | — | — | — |
| 13. | Cancer of buccal cavity and oesophagus (M) | — | — | — |
| | uterus (F) | — | 2 | 2 |
| 14. | Cancer of stomach and duodenum ... ... | 2 | 2 | 4 |
| 15. | Cancer of breast ... ... ... ... | — | 3 | 3 |
| 16. | Cancer of all other sites ... ... ... ... | 11 | 5 | 16 |
| 17. | Diabetes ... ... ... ... ... ... | 1 | 1 | 2 |
| 18. | Intra-cranial vascular lesions ... ... ... | 9 | 18 | 27 |
| 19. | Heart Disease ... ... ... ... ... | 32 | 28 | 60 |
| 20. | Other diseases of circulatory system ... ... | 5 | 1 | 6 |
| 21. | Bronchitis ... ... ... ... ... ... | 4 | 1 | 5 |
| 22. | Pneumonia ... ... ... ... ... | 4 | 6 | 10 |
| 23. | Other respiratory diseases ... ... ... | 1 | 1 | 2 |
| 24. | Ulcer of stomach and duodenum ... ... | 3 | 1 | 4 |
| 25. | Diarrhoea under 2 years ... ... ... | — | — | — |
| 26. | Appendicitis ... ... ... ... ... | — | 1 | 1 |
| 27. | Other digestive diseases ... ... ... ... | 3 | 1 | 4 |
| 28. | Nephritis ... ... ... ... ... | 3 | — | 3 |
| 29. | Puerperal and post-abortive sepsis ... ... | — | 1 | 1 |
| 30. | Other maternal causes ... ... ... ... | — | — | — |
| 31. | Premature birth ... ... ... ... ... | 1 | — | 1 |
| 32. | Congenital malformations, birth injury and infantile diseases ... ... ... ... | 4 | 2 | 6 |
| 33. | Suicide ... ... ... ... ... ... | 4 | 1 | 5 |
| 34. | Road traffic accidents ... ... ... ... | 2 | — | 2 |
| 35. | Other violent causes ... ... ... ... | 1 | 3 | 4 |
| 36. | All other causes ... ... ... ... ... | 6 | 3 | 9 |
| | ALL CAUSES ... ... ... ... ... | 102 | 87 | 189 |

## DEATHS FROM SELECTED CAUSES.

TABLE No. 2.

| Year | *Non-Pulmonary Tuberculosis* | | *Pulmonary Tuberculosis* | | *Cancer* | | *Diseases of Heart and Blood Vessels* | | *Bronchitis Pneumonia and other Respiratory Diseases* | |
|---|---|---|---|---|---|---|---|---|---|---|
| | *No.* | *Rate* | *No.* | *Rate* | *No.* | *Rate* | *No.* | *Rate* | *No.* | *Rate* |
| 1946 | 2 | .15 | 5 | .39 | 22 | 1.75 | 61 | 4.86 | 20 | 1.59 |
| 1947 | 2 | .16 | 3 | .23 | 25 | 1.96 | 93 | 7.31 | 17 | 1.33 |

## COMPARISON OF STILLBIRTHS, ILLEGITIMATE BIRTHS AND MASCULINITY OF BIRTH.

TABLE No. 3.

| Year | *Stillbirths per* 1,000 | | *Illegitimate births per* 1,000 *live births* | *Male births per* 1,000 *live female births* |
|---|---|---|---|---|
| | *Population of all ages* | *Total births (live and still)* | | |
| 1946 | .39 | 22.32 | 105.02 | 1027.77 |
| 1947 | .39 | 22.02 | 58.55 | 1055.55 |

## VITAL STATISTICS FOR 1946-47.

TABLE No. 4.

| Year | *Estimated Population* | *Births* | | *Deaths* | | | |
|---|---|---|---|---|---|---|---|
| | | | | *Under 1 year* | | *All ages* | |
| | | *No.* | *Rate per* 1,000 | *No.* | *Rate per* 1,000 | *No.* | *Rate per* 1,000 |
| 1946 | 12,530 | 219 | 17.47 | 15 | 68.49 | 152 | 12.13 |
| 1947 | 12.720 | 222 | 17.45 | 7 | 31.49 | 189 | 14.85 |

## BIRTH RATES, CIVILIAN DEATH RATES, ANALYSIS OF MORTALITY AND CASE RATES FOR CERTAIN INFECTIOUS DISEASES FOR WELLINGBOROUGH RURAL DISTRICT AND ENGLAND AND WALES, 1947.

TABLE No. 5.

| | England and Wales | Wellingborough Rural District |
|---|---|---|
| Live Births ... ... | 20.5 | 17.47 |
| Stillbirths ... ... | .50 | .39 |
| **Deaths** | | |
| All causes ... ... | 12.0 | 14.85 |
| Typhoid Fever ... | 0.00 | 0.00 |
| Scarlet Fever ... ... | 0.00 | 0.00 |
| Whooping Cough ... | 0.02 | 0.00 |
| Diphtheria ... ... | 0.01 | 0.00 |
| Influenza ... ... | 0.09 | 0.47 |
| Smallpox ... ... | 0.00 | 0.00 |
| Measles ... ... | 0.01 | 0.00 |
| Deaths under one year | 41 | 31.49 |
| **Notifications** | | |
| Typhoid Fever ... | 0.01 | 0.00 |
| Paratyphoid Fever ... | 0.01 | 0.00 |
| Cerebro-spinal fever | 0.05 | 0.00 |
| Scarlet Fever ... ... | 1.37 | 0.15 |
| Whooping Cough ... | 2.22 | 1.49 |
| Diphtheria ... ... | 0.13 | 0.00 |
| Erysipelas ... ... | 0.19 | 0.07 |
| Measles ... ... | 9.41 | 7.15 |
| Pneumonia ... ... | 0.79 | .55 |

## NEW CASES OF AND DEATHS FROM TUBERCULOSIS, 1947.

TABLE No. 6.

| *Age Periods* | New Cases | | | | Deaths | | | |
|---|---|---|---|---|---|---|---|---|
| | *Respiratory* | | *Non. respiratory* | | *Respiratory* | | *Non-respiratory* | |
| | *Male* | *Female* | *Male* | *Female* | *Male* | *Female* | *Male* | *Female* |
| —1 | — | — | — | — | — | — | — | — |
| —5 | — | — | — | — | — | — | — | — |
| —15 | — | — | — | — | — | 1 | — | — |
| —25 | — | 1 | — | — | — | — | — | — |
| —35 | 1 | 1 | — | — | 1 | — | — | — |
| —45 | — | — | — | — | — | 1 | — | — |
| —55 | 2 | — | — | — | — | 1 | — | — |
| —65 | — | — | — | — | — | — | — | — |
| 65— | — | — | — | — | — | — | — | — |
| Assigned by the Registrar General | — | — | — | — | — | —1 | 1 | 1 |
| TOTAL | 3 | 2 | — | — | 1 | 2 | 1 | 1 |

## MONTHLY INCIDENCE OF NOTIFIABLE DISEASES.
### (Other than Tuberculosis) 1947.

TABLE No. 7.

| *Disease* | January | February | March | April | May | June | July | August | September | October | November | December | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Scarlet Fever ... ... | — | — | — | — | — | — | — | — | — | 2 | — | — | 2 |
| Pneumonia ... ... | 3 | 1 | 2 | — | 1 | — | — | — | — | — | — | — | 7 |
| Measles ... ... ... | — | — | — | 2 | 8 | 13 | 25 | 6 | 3 | 11 | 13 | 10 | 91 |
| Whooping Cough ... | 1 | 4 | 11 | — | — | 1 | 2 | — | — | — | — | — | 19 |
| Erysipelas ... ... ... | — | — | — | — | — | — | — | — | — | 1 | — | — | 1 |
| Puerperal Pyrexia ... ... | — | — | — | — | — | — | — | — | — | 1 | — | — | 1 |
| Diphtheria ... ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Dysentery ... ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Ophthalmia Neonatorum ... | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Poliomyelitis ... ... | — | — | — | — | — | — | — | — | — | 1 | 1 | — | 2 |
| TOTAL ... ... ... | 4 | 5 | 13 | 2 | 9 | 14 | 27 | 6 | 3 | 16 | 14 | 10 | 123 |

## AGE INCIDENCE OF NOTIFIABLE DISEASES.
### (Other than Tuberculosis) 1947.

TABLE No. 8.

| Disease | –1 | –2 | –3 | –4 | –5 | –10 | –15 | –20 | –35 | –45 | –65 | 65– | All Ages | Removed to Hospital | Deaths |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Scarlet Fever ... | — | — | — | — | — | 1 | 1 | — | — | — | — | — | 2 | 1 | — |
| Pneumonia ... | — | — | — | 1 | — | 1 | — | — | 2 | 2 | — | 1 | 7 | — | 10* |
| Measles ... ... | 2 | 7 | 9 | 7 | 17 | 47 | 1 | 1 | — | — | — | — | 91 | — | — |
| Whooping Cough | 3 | 2 | 3 | 1 | 3 | 6 | 1 | — | — | — | — | — | 19 | — | — |
| Erysipelas ... | — | — | — | — | — | 1 | — | — | — | — | — | — | 1 | — | — |
| Puerperal Pyrexia | — | — | — | — | — | — | — | — | 1 | — | — | — | 1 | — | 1 |
| Diphtheria ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Dysentery ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Ophthalmia Neonatorum ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Typhoid ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Poliomyelitis ... | — | — | 1 | — | — | — | — | — | — | 1 | — | — | 2 | — | — |
| TOTAL ... | 5 | 9 | 13 | 9 | 20 | 56 | 3 | 1 | 3 | 4 | — | 1 | 123 | 1 | 11 |

* Assigned by the Registrar General.

## INCIDENCE OF NOTIFIABLE DISEASES

(other than Tuberculosis)

## IN INDIVIDUAL PARISHES, 1947.

TABLE No. 9.

| Parish | Scarlet Fever | Pneumonia | Measles | Whooping Cough | Erysipelas | Puerperal Pyrexia | Diphtheria | Poliomyelitis | Dysentery | Ophthalmia Neonatorum | Typhoid | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bozeat ... ... | 1 | 1 | 3 | — | 1 | 1 | — | — | — | — | — | 7 |
| Doddington, Great ... | — | — | 6 | — | — | — | — | — | — | — | — | 6 |
| Earls Barton ... ... | — | 1 | 5 | — | — | — | — | 2 | — | — | — | 8 |
| Easton Maudit ... | — | — | — | — | — | — | — | — | — | — | — | — |
| Ecton ... ... ... | — | — | 1 | — | — | — | — | — | — | — | — | 1 |
| Grendon ... ... | — | — | 1 | — | — | — | — | — | — | — | — | 1 |
| Hardwick ... ... | — | — | 1 | — | — | — | — | — | — | — | — | 1 |
| Harrowden, Great ... | — | — | 4 | — | — | — | — | — | — | — | — | 4 |
| Harrowden, Little ... | — | — | 21 | — | — | — | — | — | — | — | — | 21 |
| Irchester ... ... | — | — | 31 | — | — | — | — | — | — | — | — | 31 |
| Isham ... ... ... | — | — | 9 | 2 | — | — | — | — | — | — | — | 11 |
| Mears Ashby ... ... | — | — | 2 | — | — | — | — | — | — | — | — | 2 |
| Newton Bromwsold | — | — | — | 1 | — | — | — | — | — | — | — | 1 |
| Orlingbury ... ... | — | — | 1 | — | — | — | — | — | — | — | — | 1 |
| Strixton ... ... | — | — | — | — | — | — | — | — | — | — | — | — |
| Sywell ... ... | — | 1 | — | — | — | — | — | — | — | — | — | 1 |
| Wilby ... ... | — | — | — | — | — | — | — | — | — | — | — | — |
| Wollaston ... ... | 1 | 4 | 6 | 16 | — | — | — | — | — | — | — | 27 |
| TOTALS ... ... | 2 | 7 | 91 | 19 | 1 | 1 | — | 2 | — | — | — | 123 |

## MEASLES AND WHOOPING COUGH

## AGE AND SEX INCIDENCE.

TABLE No. 10.

| | Measles | | Whooping Cough | |
|---|---|---|---|---|
| *Age Periods* | *Males* | *Females* | *Males* | *Females* |
| —6 months | 1 | — | 1 | — |
| —12 months | — | 1 | 1 | 1 |
| —18 months | 2 | — | 1 | 1 |
| —2 years | 3 | 2 | — | — |
| —2½ years | 3 | 4 | 3 | — |
| —3 years | 1 | 1 | — | — |
| —4 years | 5 | 2 | — | 1 |
| —5 years | 9 | 8 | 2 | 1 |
| —10 years | 22 | 25 | 2 | 4 |
| —15 years | — | 1 | — | 1 |
| 15 years | 1 | — | — | — |
| ALL AGES | 47 | 44 | 10 | 9 |
| TOTALS | 91 | | 19 | |

## CAUSES OF DEATH OF CHILDREN UNDER ONE YEAR.

TABLE No. 11.

| Causes of Death | Ages in Weeks | | | | | |
|---|---|---|---|---|---|---|
| | –1 | –2 | –3 | –4 | 5–52 | *Total* |
| 1. Congenital malformations ... | 1 | 1 | — | — | 2 | 4 |
| 2. Diseases of Early Infancy— Congenital debility and icterus | 1 | — | — | — | — | 1 |
| Premature Birth ... ... | 1 | — | — | — | — | 1 |
| Injury at Birth ... ... | — | — | — | — | — | — |
| Atelectasis ... ... ... | 1 | — | — | — | — | 1 |
| Others ... ... ... | — | — | — | — | — | — |
| 3. Diseases of Respiratory System | — | — | — | — | — | — |
| 4. Diseases of Digestive System | — | — | — | — | — | — |
| 5. Diseases of Nervous System ... | — | — | — | — | — | — |
| 6. Tuberculosis diseases ... ... | — | — | — | — | — | — |
| 7. Infectious Diseases ... ... | — | — | — | — | — | — |
| 8. Syphilis ... ... ... ... | — | — | — | — | — | — |
| 9. Overlaying ... ... ... | — | — | — | — | — | — |
| 10. Other Violence ... ... | — | — | — | — | — | — |
| 11. All Other Causes ... ... | — | — | — | — | — | — |
| TOTALS ... ... ... | 4 | 1 | — | — | 2 | 7 |

## SUMMARY OF HOUSING SURVEY
## FOR THE PERIOD ENDED 31st DECEMBER, 1946.

*A.—Survey of Existing Houses.*

| | | |
|---|---|---|
| 1. | Estimated number of working class houses in the District | 3,978 |
| 2. | Number of houses surveyed to 31st December, 1946 ... | 3,089 |
| 3. | Results of Survey as revealed by Officers :— | |
| | (*a*) Satisfactory on all respects ... ... ... ... | 685 |
| | (*b*) Minor defects ... ... ... ... ... ... | 1,060 |
| | (*c*) Requiring repair, structural alteration or improvement—not eligible for assistance under the former Housing (Rural Workers) Acts ... ... ... ... ... | 714 |
| | (*d*) Requiring repair, structural alteration or improvement—eligible for assistance under the former Housing (Rural Workers) Acts ... ... ... ... ... ... | 11 |
| | (*e*) Unfit for human habitation and beyond repair at reasonable expense ... ... ... ... ... ... | 619 |
| | (*f*) Number of houses deemed to be overcrowded (for purposes of this statement it is not expected that rooms will be measured) ... ... ... ... ... ... | 64 |

## PERIOD ENDED 31st DECEMBER, 1947.

*B.—Housing Programme.*

| | | |
|---|---|---|
| 1. | Number of houses proposed to be erected as approved by the Ministry of Health to date ... ... ... ... ... | 128 |
| 2. | (*a*) Number of sites concerning which lay-out plans and house plans have been approved by the Ministry of Health | 23 |
| | (*b*) Number of houses contained in such approved lay-outs | 128 |
| 3. | Superficial area plans approved, determined in accordance with paragraph 4 of the Standards for New Houses adopted by the Joint Committee :— | |
| | (*a*) Non-parlour type 3 bedrooms F type square feet ... | 912 |
| | D ,, ,, ,, ... | 850 |
| | (*b*) Parlour type 3 bedrooms B ,, ,, ,, ... | 900 |
| | Duplex E ,, ,, ,, ... | 903 |
| 4. | (*a*) Number of houses for which tenders have been invited ... | 42 |
| | (*b*) Number of houses for which negotiated prices have been obtained ... ... ... ... ... ... ... | 86 |
| 5. | Number of houses the erection of which have begun ... | 128 |

*D.—Temporary Accommodation.*

| | | |
|---|---|---|
| 1. | (*a*) Have your Authority been allocated any temporary prefabricated houses, if so, state number and type. | No |
| | (*b*) Number of sites secured. | |
| 2. | Local Authority's site preparation :— | Not applicable. |
| | (*a*) Tenders invited ? | |
| | (*b*) Tenders accepted ? | |
| | (*c*) Works begun ? | |
| | (*d*) Sites completed ? | |
| 3. | Number of houses in respect of which :— | |
| | (*a*) Assembly has begun. | |
| | (*b*) Assembly has been completed. | |

Table No. 13.

## SUMMARY OF SANITARY INSPECTIONS, ETC.

| | |
|---|---|
| Number of visits and inspections ... ... ... ... ... | 934 |
| Slaughterhouses on Register ... ... ... ... ... ... | 10 |
| Number of Slaughtermen Licensed ... ... ... ... ... | 15 |
| Visits to Slaughterhouses ... ... ... ... ... ... | 47 |
| Visits to Butchers Shops ... ... ... ... ... ... | 32 |
| Number of Bakehouses ... ... ... ... ... ... | 17 |
| Visits to Bakehouses ... ... ... ... ... ... ... | 34 |
| Food condemned as unfit for human consumption ... ... | 182 lbs. |
| Premises Licensed to sell Ice Cream ... ... ... ... ... | 5 |
| Samples of Ice Cream taken ... ... ... ... ... ... | 2 |
| Licenses issued under Milk (Special Designation) Orders, 1936 and 1938 ... ... ... ... ... ... ... ... | 5 |
| Cowsheds on Register ... ... ... ... ... ... ... | 88 |
| Number of Inspections of Cowsheds ... ... ... ... | 184 |
| Cowsheds, defects found and remedied ... ... ... ... | 29 |
| Samples of Milk taken ... ... ... ... ... ... | 96 |
| Blocked sewers and drains ... ... ... ... ... ... | 20 |
| Insanitary drainage ... ... ... ... ... ... ... | 17 |
| Defective ventilating shafts ... ... ... ... ... ... | 3 |
| Insanitary ditches ... ... ... ... ... ... ... | 8 |
| Cesspools cleansed ... ... ... ... ... ... ... | 7 |
| Caravans inspected ... ... ... ... ... ... ... | 3 |
| Insanitary Closet accommodation ... ... ... ... ... | 16 |
| Insanitary Ashbins ... ... ... ... ... ... ... | 6 |
| Offensive accumulations ... ... ... ... ... ... | 2 |
| Offensive effluvia ... ... ... ... ... ... ... | 3 |
| Smoke and dust nuisance ... ... ... ... ... ... | 3 |
| Insanitary premises ... ... ... ... ... ... ... | 3 |
| Rat infested premises ... ... ... ... ... ... ... | 6 |
| Premises infested with bugs, etc. ... ... ... ... ... | 1 |
| Nuisances from defects in houses :— | |
| Defective roofs ... ... ... ... ... ... ... | 34 |
| Defective paving ... ... ... ... ... ... ... | 3 |
| Dangerous stairs ... ... ... ... ... ... ... | 4 |
| Defective doors and windows ... ... ... ... ... | 9 |
| Plaster to repair ... ... ... ... ... ... ... | 21 |
| Damp and defective floors ... ... ... ... ... | 4 |
| Damp and defective walls ... ... ... ... ... | 13 |
| Defective eaves guttering ... ... ... ... ... | 4 |
| Defective sinks and wastes ... ... ... ... ... | 3 |
| Dangerous chimneys ... ... ... ... ... ... | 6 |
| Notifications of Infectious Diseases ... ... ... ... ... | 21 |
| Number of rooms fumigated ... ... ... ... ... ... | 36 |
| Bedding, etc., disinfected ... ... ... ... ... ... | 1 |
| Samples of water taken ... ... ... ... ... ... | 63 |
| Defective wells ... ... ... ... ... ... ... ... | 20 |
| List of Outworkers ... ... ... ... ... ... ... | 5 |
| Registration of Cowsheds ... ... ... ... ... ... | 2 |

## MILK SAMPLES.

TABLE No. 14.

| *Month* | *Classification* *Good* | *Moderate* | *Bad* | *Total* |
|---|---|---|---|---|
| January ... ... ... ... | 12 | — | — | 12 |
| February ... ... ... ... | 6 | — | — | 6 |
| March ... ... ... ... | 6 | — | — | 6 |
| April ... ... ... ... ... | 5 | 1 | — | 6 |
| May ... ... ... ... ... | 11 | — | 1 | 12 |
| June ... ... ... ... | 11 | — | 1 | 12 |
| July ... ... ... ... ... | 8 | 3 | 1 | 12 |
| August ... ... ... ... | 3 | 3 | — | 6 |
| September ... ... ... ... | 5 | 1 | — | 6 |
| October ... ... ... ... | 5 | 1 | — | 6 |
| November ... ... ... ... | 6 | — | — | 6 |
| December ... ... ... ... | 6 | — | — | 6 |
| | 84 | 9 | 3 | 96 |

## SUMMARY OF RESULT OF WATER SAMPLES TAKEN FOR BACTERIOLOGICAL EXAMINATION.

TABLE No. 15.

| *Parish* | *No. of Samples taken* | *RESULT* *Satisfactory* | *Suspicious* | *Bad* |
|---|---|---|---|---|
| Bozeat ... ... ... ... | 13 | — | 1 | 12 |
| Doddington, Great ... ... | — | — | — | — |
| Earls Barton ... ... ... | 2 | — | 1 | 1 |
| Easton Maudit ... ... ... | — | — | — | — |
| Ecton ... ... ... ... | 6 | — | 2 | 4 |
| Grendon ... ... ... | 5 | — | 3 | 2 |
| Hardwick ... ... ... | 2 | — | 1 | 1 |
| Harrowden, Great ... ... | 2 | — | 1 | 1 |
| Harrowden, Little ... ... | 3 | 2 | — | 1 |
| Irchester ... ... ... | — | — | — | — |
| Isham ... ... ... ... | 6 | 2 | 1 | 3 |
| Mears Ashby ... ... ... | 3 | — | 3 | — |
| Newton Bromswold ... ... | 2 | — | 1 | 1 |
| Orlingbury ... ... ... | 2 | 1 | — | 1 |
| Strixton ... ... ... | — | — | — | — |
| Sywell ... ... ... ... | — | — | — | — |
| Wilby ... ... ... ... | 15 | 4 | 5 | 6 |
| Wollaston ... ... ... | 2 | — | 1 | 1 |
| TOTALS ... ... ... | 63 | 9 | 20 | 34 |

TABLE No. 16.

Prescribed particulars on the administration of the Factories Act, 1937, for the year 1947.

## PART I. OF THE ACT.

1.—**Inspections** for purposes of provisions as to health (including inspections made by Sanitary Inspectors).

| *Premises* (1) | *Number on Register* (3) | *Number of* *Inspections* (4) | *Written notices* (5) | *Occupiers prosecuted* (6) |
|---|---|---|---|---|
| (i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities ... ... ... ... | 47 | 28 | 14 | — |
| (ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority ... ... ... ... | 8 | 3 | — | — |
| (iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises) ... | — | — | — | — |
| TOTAL ... ... ... | 55 | 31 | 14 | — |

2.—Cases in which **Defects** were found.

| *Particulars* (1) | *Number of cases in which defects were found* *Found* (3) | *Remedied* (4) | *Referred* *To H.M. Inspector* (5) | *By H.M. Inspector* (6) | *Number of cases in which prosecutions were instituted* (7) |
|---|---|---|---|---|---|
| Want of cleanliness (S.1) ... | — | — | — | — | — |
| Overcrowding (S.2) ... ... | — | — | — | — | — |
| Unreasonable temperature (S.3) | — | — | — | — | — |
| Inadequate ventilation (S.4)... | — | — | — | — | — |
| Ineffective drainage of floors (S.6) ... ... ... | — | — | — | — | — |
| Sanitary Conveniences (S.7) | | | | | |
| (*a*) insufficient ... ... | — | — | — | — | — |
| (*b*) Unsuitable or defective | 4 | 4 | — | 4 | — |
| (*c*) Not separate for sexes | — | — | — | — | — |
| Other offences against the Act (not including offences relating to Outwork) ... | 5 | 5 | — | 1 | — |
| TOTAL ... ... | 9 | 9 | — | 5 | — |

## PART VIII. OF THE ACT.

**Outwork** (Sections 110 and 111).

| *Nature of Work* (1) | *Section* 110 *No. of out-workers in August list required by Sect.* 110 (1) (c) (3) | *No. of cases of default in sending lists lists to the Council* (4) | *No. of prosecutions for failure to supply lists* (5) | *Section* 111 *No. of instances of work in unwholesome premises* (6) | *Notices served* (7) | *Prosecutions* (8) |
|---|---|---|---|---|---|---|
| Wearing apparel— | | | | | | |
| Making, etc. ... ... | 7 | — | — | — | — | — |
| Cleaning and washing | — | — | — | — | — | — |
| TOTAL ... ... | 7 | — | — | — | — | — |